



Atty. Dkt. No. 056203-0107

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Kenji KANAYAMA et al.  
Title: COMMUNICATION SYSTEM, COMMUNICATION APPARATUS,  
AND COMMUNICATION CONTROL METHOD  
Appl. No.: 10/621,570  
Filing Date: 07/18/2003  
Examiner: Phuoc Huu Doan  
Art Unit: 2687

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(c), before the mailing date of either a final action under 37 CFR §1.113, a notice of allowance under 37 CFR §1.311, or an action that otherwise closes prosecution in the application.

**RELEVANCE OF EACH DOCUMENT**

References A3 and A15-19 are copending US patent applications to the above-captioned application. An English translation of the foreign-language documents is not readily available. However, the absence of such translation does not relieve the PTO from its duty to consider the submitted foreign language documents (37 CFR §1.98 and MPEP §609).

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

**FEE**

A fee in connection with submission of an information disclosure statement under 37 CFR §1.97(c) in the amount of \$180.00 in accordance with 37 CFR §1.17(p) is attached.

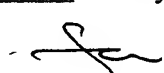
The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date

09/06/2005

By

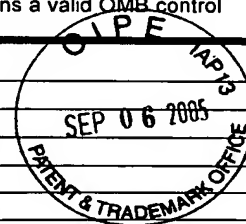


William T. Ellis (40,358)  
Attorney for Applicant  
Registration No. 26,874

FOLEY & LARDNER LLP  
Customer Number: 22428  
Telephone: (202) 672-5485  
Facsimile: (202) 672-5399

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Application Number</b>	10/621,570
Date Submitted: August 26, 2005				<b>Filing Date</b>	07/18/2003
(use as many sheets as necessary)				<b>First Named Inventor</b>	Kenji KANAYAMA
Sheet 1 of 2				<b>Group Art Unit</b>	2687
				<b>Examiner Name</b>	Phuoc Huu DOAN
				<b>Attorney Docket Number</b>	056203-0107



## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. 1	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code2 (if known)			
	A1	2003/0037170	A1	Zeller et al.	02-20-2003	
	A2	2004/0125821	A1	Kuhl, Carmen	07-01-2004	
	A3	2004/0181296	A1	Muneta et al.	09-16-2004	
	A4	4,625,308		Kim et al.	11-25-1986	
	A5	4,715,031		Crawford et al.	12-22-1987	
	A6	4,750,171		Kedar et al.	06-07-1988	
	A7	5,218,680		Farrell et al.	06-08-1993	
	A8	5,400,018	A	Scholl et al.	05-21-1995	
	A9	5,732,094		Petersen et al.	03-24-1998	
	A10	5,850,338		Fujishima, Mitsushiro	12-15-1998	
	A11	5,907,689		Tavallaei et al.	05-25-1999	
	A12	6,389,480		Kotzur et al.	05-14-2002	
	A13	6,574,234		Myer et al.	06-03-2003	
	A14	H001,882		Asthana et al.	10-03-2000	
	A15	2004/0210326	A1	Muneta et al.	10-21-2004	
	A16	2005/0017875	A1	Nakayama et al.	01-27-2005	
	A17	2004/0210323	A1	Muneta et al.	10/21/2004	
	A18	2004/0215354	A1	Nakamura et al.	10/28/2004	
	A19	2004/0210620	A1	Muneta et al.	10/21/2004	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. 1	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T6
		Office 3	Number4	Kind Code5 (if known)				
	A20	EP	0905594	A1	PHOENIX CONTACT GMBH & CO	03-31-1999		
	A21	GB	2267984	A	Thorn EMI Electronics Ltd	12-22-1993		
	A22	GB	2307068	A	MITSUBISHI DENKI KABUSHIKI KAISHA	05-14-1997		Abst.
	A23	JP	60-062482		Fanuc Ltd.	04-10-1985		Abst.
	A24	JP	03-116395	A	CSK Corporation	05-17-1991		Abst.
	A25	JP	04-045697	A	NEC Corporation	02-14-1992		Abst.
	A26	JP	05-37980	A	MITSUBISHI ELECTRIC CORP	02-12-1993		Abst.
	A27	JP	6-324719	A	Omron Corporation	11-25-1994		Abst.
	A28	JP	7-282090	A	TOSHIBA CORP.	10-27-1995		Abst.
	A29	JP	08-211792	A	Mita Industrial Co., Inc.	08-20-1996		Abst.
	A30	JP	11-24744	A	Shin Caterpillar Mitsubishi Ltd	01-29-1999		Abst.

<b>Examiner Signature</b>		<b>Date Considered</b>	
-------------------------------	--	----------------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

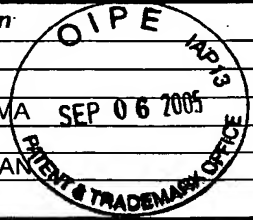
<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  Date Submitted: August 26, 2005 (use as many sheets as necessary)				<b>Complete if Known</b> Application Number: 10/621,570 Filing Date: 07/18/2003 First Named Inventor: Kenji KANAYAMA Group Art Unit: 2687 Examiner Name: Phuoc Huu DOAN Attorney Docket Number: 056203-0107	
Sheet	2	of	2		



FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. 1	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T6
		Office 3	Number4	Kind Code5 (if known)				
	A31	JP	2000-259215	A	OMRON CORPORATION	09-22-2000		Abst.
	A32	JP	2000-269996	A	Omron Corp.	09-29-2000		Abst.
	A33	JP	2001-084014	A	NIPPON SIGNAL CO LTD	03-30-2001		Abst.
	A34	JP	2001-83002	A	Ishida Co., Ltd	03-30-2001		Abst.
	A35	JP	2002-71519	A	NTN CORP.	03-08-2002		Abst.
	A36	JP	2002-73121	A	FUJI ELECTRIC CO., LTD	03-12-2002		Abst.
	A37	WO	02/098065	A1	Omron Corporation	12-05-2002		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T6

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.